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	Application No.	Applicant(s)		
Notice of Allowability	10/805,005	BERBERIAN ET AL.		
	Examiner	Art Unit		
	James E. Goodley	2817		
The MAILING DATE of this communication appears on the cover sheet with the correspondence address All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.				
1. This communication is responsive to 6/4/2007.				
2. The allowed claim(s) is/are <u>1-24</u> .				
 Acknowledgment is made of a claim for foreign priority una)	been received. been received in Application No.			
Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.				
4. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give				
 5. CORRECTED DRAWINGS (as "replacement sheets") must be submitted. (a) including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached 1) hereto or 2) to Paper No./Mail Date (b) including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d). 6. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL. 				
Attachment(s) 1. Notice of References Cited (PTO-892) 2. Notice of Draftperson's Patent Drawing Review (PTO-948) 3. Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date 4. Examiner's Comment Regarding Requirement for Deposit of Biological Material Robert Pass Supervisory Paten Technology Cen	9. Other	ry (PTO-413), Date		

DETAILED ACTION

Response to Arguments

Applicant's arguments in appeal brief filed 6/4/2007, with respect to claims 1 and 13 have been fully considered and are persuasive. Zhu does not disclose or fairly suggest reducing asymmetry in the detector signal as a function of the modulation frequency. The rejection has been withdrawn.

Allowable Subject Matter

Claims 1-24 are allowed.

The following is an examiner's statement of reasons for allowance:

Regarding **claim 1**, neither Zhu, nor any other reference of record discloses or fairly suggests, "... said detector signal exhibiting an asymmetry as a function of frequency v in a frequency range about v0...an asymmetry servo loop that alters...in a manner that reduces said asymmetry."

Regarding claim 13, neither Zhu, nor any other reference of record discloses or fairly suggests, "... said detector signal exhibiting an asymmetry as a function of frequency v in a frequency range about v0...altering one of...in a manner that reduces said measured asymmetry."

Although the circuit of Zhu discloses AC stark shift and its corresponding energy shifts in the ground and excited states of the incident electromagnetic radiation and laser light, there is no disclosure for asymmetries in the detector signal. There is an

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inherent difference in transmission of light through a photo-detector over a range of different frequencies. Zhu does not disclose minimizing the asymmetry in the <u>detector</u> signal.

Claims 2-12 and 14-24 are included for their dependency.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to James E. Goodley whose telephone number is (571)-272-8598. The examiner can normally be reached on Monday-Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Robert J. Pascal can be reached on (571)272-1769. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

James Godley